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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/593,539	09/19/2006	Tasuku Teshirogi	06550/LH	4913
	7590 04/17/200 OLTZ, GOODMAN &	EXAMINER		
220 Fifth Avenue 16TH Floor NEW YORK, NY 10001-7708			GALT, CASSI J	
			ART UNIT	PAPER NUMBER
		3662		
			MAIL DATE	DELIVERY MODE
			04/17/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)	
10/593,539	TESHIROGI ET AL.	
Examiner	Art Unit	
CASSI GALT	3662	

	CASSI GALT	3662					
The MAILING DATE of this communication appe	ars on the cover sheet with the o	correspondence add	ress				
THE REPLY FILED <u>06 April 2009</u> FAILS TO PLACE THIS APP	LICATION IN CONDITION FOR A	LLOWANCE.					
1. The reply was filed after a final rejection, but prior to or on application, applicant must timely file one of the following application in condition for allowance; (2) a Notice of Appetor Continued Examination (RCE) in compliance with 37 C periods:	replies: (1) an amendment, affidavi eal (with appeal fee) in compliance	t, or other evidence, w with 37 CFR 41.31; or	hich places the (3) a Request				
	a) The period for reply expires <u>3</u> months from the mailing date of the final rejection.						
b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).							
Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
NOTICE OF APPEAL 2. The Notice of Appeal was filed on A brief in comp filing the Notice of Appeal (37 CFR 41.37(a)), or any exter Notice of Appeal has been filed, any reply must be filed with the statement of the statem	nsion thereof (37 CFR 41.37(e)), to	avoid dismissal of the					
<u>AMENDMENTS</u>							
The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because (a) They raise new issues that would require further consideration and/or search (see NOTE below); (b) They raise the issue of new matter (see NOTE below); (c) They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or							
(d) They present additional claims without canceling a c	corresponding number of finally reje	ected claims.					
NOTE: (See 37 CFR 1.116 and 41.33(a)). 4. The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324). 5. Applicant's reply has overcome the following rejection(s):							
 Newly proposed or amended claim(s) would be all non-allowable claim(s). 	owable if submitted in a separate, t						
7. For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is proved the status of the claim(s) is (or will be) as follows: Claim(s) allowed: Claim(s) objected to: Claim(s) rejected: Claim(s) withdrawn from consideration:		l be entered and an e	xplanation of				
AFFIDAVIT OR OTHER EVIDENCE							
 The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e). 							
9. The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will <u>not</u> be entered because the affidavit or other evidence failed to overcome <u>all</u> rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).							
10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached. REQUEST FOR RECONSIDERATION/OTHER							
11. The request for reconsideration has been considered but does NOT place the application in condition for allowance because:							
12. ☐ Note the attached Information <i>Disclosure Statement</i>(s). (13. ☐ Other:	PTO/SB/08) Paper No(s)						
/Thomas H. Tarcza/	/C. G./						
Supervisory Patent Examiner, Art Unit 3662	Examiner, Art Unit 3662						

Continuation Sheet (PTO-303)

Application No.

Regarding Applicant's argument that the oscillation unit of Puglia differs from the present claimed invention in that it inherently continuously generates oscillations and thus causes carrier leakage, Examiner respectfully disagrees. Applicant has not provided and Examiner cannot find support in Puglia for Applicant's assertion that the oscillator inherently continuously generates oscillations. Puglia is largely silent regarding the properties of the oscillator, teaching only that "[t]he pulse oscillator 106 is responsive to the "on" pulse by providing a first signal for the time that the "on" pulse is active, i.e., for the predetermined pulsewidth" (3:42-45).

Regarding the Bosch reference figures and text, Examiner finds that the structure of Bosch's UWB system is different from Puglia's. Bosch teaches an oscillator that indeed appears to continuously generate oscillations. The oscillator signal is provided to the transmit antenna via an "HF Modulation switch TX". Puglia does not teach such a structure, and Examiner therefore finds no reason to believe that Puglia's system necessarily suffers the same leakage as Bosch's system.

Regarding Applicant's argument that Puglia cannot be modified in view of other cited prior art references to prevent such carrier leakage, Examiner respectfully disagrees. With Puglia largely silent regarding the properties of the oscillator, Examiner asserts that an oscillator of some sort must be provided, and that oscillators with the claimed properties are known in the art. In particular, in the final rejection dated 1/5/2009, Examiner set forth that Anderson (US 5,146,613) teaches an oscillator with the properties set forth in claims 21 and 22, and Khanna (US 4,733,199) teaches an oscillator with the properties set forth in claims 23 and 24.

Regarding Applicant's argument that Anderson does not teach or suggest that the switch sets the oscillator 20 in an oscillation state only in a period in which the pulse signal output from the pulse generator is received, but rather, the oscillator 20 is continually operating irrespective of receipt of a pulse signal from the pulse generator, and only its output is toggled based on the position of the switch, Applicant has not provided and Examiner cannot find support in Anderson for this assertion. Rather, Examiner finds that Anderson teaches the contrary: "data source 28, when connected to the inverting amplifier 22 by the switch 30, produces pulse width modulated voltage pulses corresponding to data to be transmitted and thus turns the oscillator 20 on and off in accordance with the voltage pulses to generate bursts of RF oscillation" (2:48-53).

Regarding Applicant's argument that Khanna describes that signals from dielectric resonator oscillators leak through the switch to create unwanted spurious signals in the output (column 1, line 67 to column 2, line 2), Examiner would like to point out that Khanna is here referring to a problem with prior art oscillators. Khanna's oscillator, on the other hand, is designed to overcome this problem, as described at 2:52-60: "The switchable, multi-freudency, parallel-feedback, dielectric-resonator oscillator of the present invention offers several advantages over prior art multiple frequency oscillators. First, there are no spurious, unselected frequencies in the output signal because the non-selected dielectric resonators are passive components which do not themselves oscillate. Only when a dielectric resonator is selectively coupled to the amplifier through the switch is a signal generated."

Regarding Applicant's argument that Khanna describes that when a dielectric resonator is selectively coupled to the amplifier through the switch, a signal is generated (column 2, lines 58-60) and an amplifier is always turned on to cause signals to be generated upon selection of one of the dielectric responators (column 2, line 67 to column 3, line 2), Examiner is unclear regarded the relevance of this teaching. Claims 23 and 24 require only "a switch circuit which sets the oscillation unit in an oscillation state only in a period in which the pulse signal output from the pulse generator is received", which Examiner has asserted is taught by Khanna at 2:55-60. The claim does not require anything of the amplifier.

In conclusion, regarding the claim limitation "without causing carrier leakage", Examiner would like to reassert that the prior art teaches every structural element of claims 21-24, and therefore presumably also operates without causing carrier leakage.